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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/071,540	02/08/2002	Attilio Rimoldi	005826.P001	9878
8791	7590	01/16/2004	EXAMINER	
BLAKELY SOKOLOFF TAYLOR & ZAFMAN 12400 WILSHIRE BOULEVARD, SEVENTH FLOOR LOS ANGELES, CA 90025			CABRERA, ZOILA E	
			ART UNIT	PAPER NUMBER
			2125	5

DATE MAILED: 01/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/071,540

Applicant(s)

RIMOLDI ET AL.

Examiner

Zoila E. Cabrera

Art Unit

2125

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_ 6) ☐ Other: \_\_\_\_

## DETAILED ACTION

### *Final Rejection*

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### *Response to Arguments*

2. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection.

### *Claim Rejections - 35 USC § 102*

3. Claims 1-21 and 22-27 are rejected under 35 U.S.C. 102(e) as being anticipated by **Schell et al. (US 6,628,279)**.

With respect to claims 1-10, **Schell** discloses a method comprising:

- Identifying a plurality of behavioral parameters associated with a current design feature selected by a user (Fig. 12, Fig. 13, steps 1306, 1308);

Presenting the plurality of behavioral parameters to the user (Fig. 10C, Behavior, elements 1030,1028,1026; Fig. 23B, element 2310);

receiving user input identifying one or more behavioral parameters selected from the plurality of behavioral parameters by the user (Col. 6, lines 9-14; Figs. 10C and 23B); and modeling the current design feature based on the one or more behavioral parameters selected by the user and context defined by other design features of an object having the current design feature (Col. 5, lines 12-14; Col. 6, lines 2-5; Fig. 23C; Col. 17, lines 56-63);

- the one or more behavioral parameters reflect functionality intended by the user for the current design feature (Col. 5, lines 12-26; Col. 6, lines 1-5 and lines 8-13);
- receiving a user request to modify a geometric parameter of the current design feature (Col. 5, lines 39-48; Col. 5, lines 22-26); and modifying the geometry of the current design feature while maintaining the intended functionality of the current design feature as identified by the one or more behavioral parameters of the current design feature and relationships of the current design feature with the other design features of the object (Col. 16, lines 47-56; Col. 16, lines 59-67 – Col. 17, lines 1-4);
- receiving one or more geometric parameters pertaining to the current design feature from the user (Figs. 6P - 11);
- displaying a user interface facilitating selection of the one or more behavioral parameters by the user (Figs. 10C, elements 1030, 1028, 1026 and 23B, Behavior);
- displaying the modeled design feature on a screen (Figs. 10D and 23C);
- defining a plurality of behavioral parameters for each of a plurality of design features using a set of rules associated with a corresponding application (Col. 17, lines 56-63; Col. 18, lines 51-60);
- calculating geometry of the current design feature based on the one or more behavioral parameters and relationships of the current design feature with geometry of the other design features of the object (Col. 17, lines 56-63);

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- determining relationships between the current design feature and the other design features of the object based on the one or more behavioral parameters (Col. 17, lines 56-63);
- receiving a user request to modify any one of a geometric and behavioral parameter of one of the other design features; modifying said one of the other design features; and adjusting the current design feature to maintain functionality defined by the one or more behavioral parameters (Col. 18, lines 61-65; Col. 25, lines 60-67 – Col. 26, lines 1-10).

Regarding claims 11-21, the same limitations applied to claims 1-10 apply as well for claims 11-21.

As for new claims 22-24 and 25-27, **Schell** further discloses,

- maintaining the functionality intended by the user for the current design feature during a design process of the object (Col. 5, lines 12-26; Col. 6, lines 1-5 and lines 8-13);
- displaying to the user a plurality of characteristics of the current design feature selected by the user and a set of functional options for each of the plurality of characteristics, wherein each of the plurality of behavioral parameters contains one of the plurality of characteristics and one functional option from a list of functional options available for said one of the plurality of characteristics (Figs. 10C and Fig. 23B; please note that for each component a corresponding Create Component window is displayed with its corresponding Behavior options and functions);

- allowing the user to select one functional option from a list of functional options for each of the plurality of characteristics (Fig. 10C, elements 1032; 1034).

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

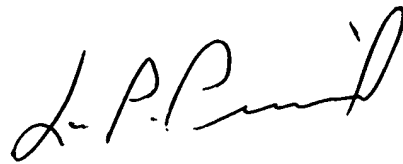
Any inquiry concerning communication or earlier communication from the examiner should be directed to Zoila Cabrera, whose telephone number is (703) 306-4768. The examiner can normally be reached on M-F from 8:00 a.m. to 5:30 p.m. EST (every other Friday).

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If attempts to reach the examiner by phone fail, the examiner's supervisor, Leo Picard, can be reached on (703) 308-0538. Additionally, the fax phones for Art Unit 2125 are (703) 872-9306. Any inquiry of a general nature or relating to the status of this application should be directed to the group receptionist at (703) 305-9600.

Zoila Cabrera  
Patent Examiner  
1/9/04

A handwritten signature in black ink, appearing to read "L. Picard", with a stylized flourish at the end.

LEO PICARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100